

Appln No. 10/646,905  
Amdt date November 13, 2006  
Reply to Office action of September 12, 2006

**REMARKS/ARGUMENTS**

The above identified patent application has been amended and reconsideration and reexamination are hereby requested.

Claims 1-13, 17 and 18 are now in the application. Claims 14-16 were cancelled. Claims 10-12, and 17 and 18 were withdrawn. Claims 1 and 6 have been amended. The Applicant has amended the specification. No new matter has been added.

The Examiner has rejected Claims 1-9 under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement. In addition, the Examiner has rejected Claims 1-9 under 35 U.S.C. §112, first paragraph, as failing to comply with the enablement requirement.

The Applicant has amended Claim 1 to call for (underlining added for emphasis) "said discriminating means discriminates a signal component varying in response to a variation of the frequency as a signal component related to a target object, and discriminates a signal component not varying in response to a variation of the frequency as a signal component not related to a target object."

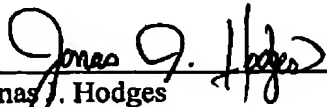
In addition, the Applicant has amended Claim 6 to call for (underlining added for emphasis) "said discriminating means discriminates a signal component varying in response to a variation of the frequency as a signal component related to a target object, and discriminates a signal component not varying in response to a variation of the frequency as a signal component not related to a target object."

The Applicant submits that Claims 1-9 comply with the written and enablement requirements. The specification supports and enables Claims 1 and 6 as amended. For example, Claims 1 and 6 are described and enabled on p. 14, line 6 through p. 15, line 10. As such, it is respectfully requested that rejections to these claims be withdrawn.

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Therefore, in view of the above amendment and remarks it is submitted that the claims are patentably distinct over the prior art and that all the rejections to the claims have been overcome. As such, allowance of the above Application is requested.

Respectfully submitted,  
CHRISTIE, PARKER & HALE, LLP

By   
Jonas J. Hodges  
Reg. No. 58,898  
626/795-9900

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